



3.30.01

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1 documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

Vaino Kilpi

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

2. Name and address of receiving party(ies)

30 2001

Name: ASM MICROCHEMISTRY OY

Address: Kutojantie 2 B

FIN-02630 Espoo, Finland

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) February 15, 2001

4. Application number(s) or Patent number(s):

() Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: (09/749,339)
Filing Date: December 27, 2000

() Patent No.:

Issue Date:

Additional numbers attached? () Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Gordon H. Olson
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995

Internal Address: Sixteenth Floor
Street Address: 620 Newport Center Drive
City: Newport Beach State: CA ZIP: 92660
Attorney's Docket No.: SEPP6.001AUS

7. Total fee (37 CFR 3.41): \$40

(X) Enclosed

Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

Gordon H. Olson
Name of Person Signing

Gordon H. Olson
Signature

3/27/00
Date

20,319
Registration No.

Total number of pages including cover sheet, attachments and document: 2

Mail documents to be recorded with required cover sheet information to:

04/12/2001 TDI AZ1 00000250 09749339
01 FC:581 40.00 DP

Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

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022601

Mik B3 US

Application No.: 09/749,339
Filing Date: December 27, 2000

PATENT
Client Code: SEPP6.001AUS
Page 1

ASSIGNMENT

WHEREAS, I, Vaino Kilpi, a Finland citizen, residing at Raisalantie 15 C, FIN-02140 Espoo, Finland, have invented certain new and useful improvements in a APPARATUS FOR GROWING THIN FILMS for which I have executed an application for Letters Patent in the United States, Application No. 09/749,339, filing date December 27, 2000;

AND WHEREAS, ASM MICROCHEMISTRY OY (hereinafter "ASSIGNEE"), a Finnish Corporation, with its principal place of business at Kutojantie 2 B, FIN-02630 Espoo, Finland, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 15 day of February, 2001

Vaino Kilpi

Vaino Kilpi

STATE OF Finland }
COUNTY OF Espoo } ss.

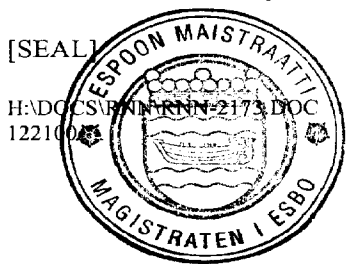
On 15th day of February before me, Pirjo Halonen, personally appeared Vaino Kilpi personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that they executed the same in their authorized capacity(ies), and that by their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Pirjo Halonen

Notary Signature

Pirjo Halonen Notary Public



RECORDED: 03/30/2001

PATENT
REEL: 011670 FRAME: 0178